



Introduction: UDEY 'HYD series' of AC/DC HV testers are the second generation range of UDEY' s famous 'HT series' of HV breakdown testers. The main difference is that the HYD series of testers give AC or DC output, without the need to screw the rectifier block. AC or DC output is available from HT end on bushing.

Description: 'HYD series' uses oil insulated high voltage generating transformer, housed in a sheet steel tank with rollers and lifting lugs.

Features:

- Panel mounted controls and indicators with easy to read legend
- Continuously variable motorized output control
- Double range kV + mA meter
- Selectable trip current
- Timer of 1-3-4-5 minutes

Safety features:

- Zero start interlock (User must always raise voltage from minimum. HV is switched on only when voltage control is brought to zero)
- External interlock
- Audio + Visual alarms
- Fast acting over load circuit breaker. MCB-magnetic overload protection

Specifications

Voltage source : Copper double wound, oil insulated H.T. Transformer and half wave rectification.

Output control : Continuously variable by motorized control.

Rating : 5 minutes ON 15 minutes OFF / Continuous rating: 50%

Metering : Analog, 96 mm², linear double scaled, kV Meter in the input
Analog, 96 mm², linear double scaled. mA Meter in the output. Accuracy: ± 4% full scale deflection.

Protection : MCB, a fast acting D.C. relay isolates the H.T. at trip level.

Interlocking : Zero-start interlocking for H.V. output.

Timer : 1-3-4-5 minutes.

Auxiliaries : Mains switch, Push-buttons for 'H.T.ON', 'H.T.OFF', 'RESET', 'RAISE' 'LOWER', contactor operated.

Indicators : 'Mains', 'HT OFF', 'HT ON', 'READY', 'Breakdown".

Termination : H.T. End insulated and other end at earth potential.

Enclosures : The unit will be in two parts:
Control Unit : Houses switches, MCB, lamps, variac etc in a sheet metal case with castors.
H.T. Unit : Sheet steel tank with rollers and lifting lugs.

Accessories : 1. Mains wires 3 core, 2 meter long.
2. Inter connecting cable 3 meter long.
3. Discharge rod for DC range.
4. Instruction manual.

MODEL	INPUT AC	OUTPUT AC RMS		OUTPUT DC		kV meter range	mA meter range		TRIP	
		kV	mA	kV peak	mA avg		AC	DC	mA: AC	mA: DC
HYD 50-50	230V	50	50	50	20	0-25-50	0-50	0-20	25-50	10-20
HYD 50-100	230V	50	100	50	50	0-25-50	0-100	0-50	50-100	25-50
HYD 75-50	230V	75	50	75	20	0-37.5-75	0-50	0-20	25-50	10-20
HYD 75-100	230V	75	100	75	50	0-37.5-75	0-100	0-50	50-100	25-50
HYD 80-50	230V	80	50	80	50	0-40-80	0-50	0-50	25-50	25-50
HYD 100-100	230V	100	100	100	50	0-50-100	0-100	0-50	50-100	25-50
HYD 100-150	400V	100	150	100	50	0-50-100	0-150	0-50	75-150	25-50
HYD 100-250	400V	100	250	100	50	0-50-150	0-250	0-50	125-250	25-50
HYD-150-50	230V	150	50	150	50	0-75-150	0-50	0-50	25-50	25-50
HYD 150-100	400V	150	100	150	50	0-75-150	0-100	0-50	50-100	25-50
HYD 150-200	400V	150	200	150	50	0-75-150	0-200	0-50	100-200	25-50

Specs subject to change due to constant upgradation

Cat # HYD-2009